

SEQUENCE LISTING

<110> National Research Council of Canada

<120> Transgenic manipulation of sn-glycerol-3-phosphate and
glycerol production with a feedback defective
glycerol-3-phosphate dehydrogenase gene

<130> 45419

<140>

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<150> US60/155133

<151> 1999-09-22

<160> 6

<170> PatentIn Ver. 2.1

<210> 1

<211> 1020

<212> DNA

<213> Escherichia coli

<400> 1

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<212> PRT

<213> Escherichia coli

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Leu Trp Gly His Asp Pro Glu His Ile Ala Thr Leu Glu Arg Asp Arg
35 40 45

Cys Asn Ala Ala Phe Leu Pro Asp Val Pro Phe Pro Asp Thr Leu His
50 55 60

Leu Glu Ser Asp Leu Ala Thr Ala Leu Ala Ser Arg Asn Ile Leu
65 70 75 80

Val Val Val Pro Ser His Val Phe Gly Glu Val Leu Arg Gln Ile Lys
85 90 95

Pro Leu Met Arg Pro Asp Ala Arg Leu Val Trp Ala Thr Lys Gly Leu
100 105 110

Glu Ala Glu Thr Gly Arg Leu Leu Gln Asp Val Ala Arg Glu Ala Leu
115 120 125

Gly Asp Gln Ile Pro Leu Ala Val Ile Ser Gly Pro Thr Phe Ala Lys
130 135 140

Glu Leu Ala Ala Gly Leu Pro Thr Ala Ile Ser Leu Ala Ser Thr Asp
145 150 155 160

Gln Thr Phe Ala Asp Asp Leu Gln Gln Leu Leu His Cys Gly Lys Ser
165 170 175

Phe Arg Val Tyr Ser Asn Pro Asp Phe Ile Gly Val Gln Leu Gly Gly
180 185 190

Ala Val Lys Asn Val Ile Ala Ile Gly Ala Gly Met Ser Asp Gly Ile
195 200 205

Gly Phe Gly Ala Asn Ala Arg Thr Ala Leu Ile Thr Arg Gly Leu Ala
210 215 220

Glu Met Ser Arg Leu Gly Ala Ala Leu Gly Ala Asp Pro Ala Thr Phe
225 230 235 240

Met Gly Met Ala Gly Leu Gly Asp Leu Val Leu Thr Cys Thr Glu Asn
245 250 255

Gln Ser Arg Asn Arg Arg Phe Gly Met Met Leu Gly Gln Gly Met Asp
260 265 270

Val Gln Ser Ala Gln Glu Lys Ile Gly Gln Val Val Glu Gly Tyr Arg
275 280 285

Asn Thr Lys Glu Val Arg Glu Leu Ala His Arg Phe Gly Val Glu Met
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR primer GPSA3

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